

Figure2 A-D.Grayscale analysis of endogenous spliceosomes

	Grayscale value	Lane1	Lane2	Lane3	Lane4	Lane5	Lane6	ACTB	ACTB mean	Lane1/ACTB mean	Lane2/ACTB mean	Lane3/ACTB mean	Lane4/ACTB mean	Lane5/ACTB mean	Lane6/ACTB mean
HEK-293	vec	15130	63973	84715	163512	133108	114591	448022	452030.6667	0.033471178	0.141523574	0.187409837	0.361727644	0.294466725	0.253502694
		16366	64448	77891	169170	128151	142006	452111		0.036205506	0.142574387	0.172313518	0.374244493	0.283500656	0.314151229
		15849	67720	70661	172758	123638	126765	455959		0.035061778	0.149812834	0.156319029	0.382182007	0.273516821	0.280434493
	SRSF1	17037	80302	83997	139751	219271	104006	436806	450029.3333	0.037857535	0.178437271	0.186647847	0.310537558	0.487237164	0.231109397
		18840	80354	91121	156721	213350	124436	455563		0.041863941	0.178552819	0.202477928	0.348246214	0.474080243	0.276506441
		18137	83785	83509	152021	200280	113669	457719		0.04030182	0.186176767	0.185563473	0.33780245	0.44503769	0.252581332
	Grayscale value	Lane1	Lane2	Lane3	Lane4	Lane5	Lane6	ACTB	ACTB mean	Lane1/ACTB mean	Lane2/ACTB mean	Lane3/ACTB mean	Lane4/ACTB mean	Lane5/ACTB mean	Lane6/ACTB mean
K562	vec	29761	26185	32912	164759	172583	56292	433085	439709	0.0676834	0.059550748	0.074849503	0.374700086	0.392493672	0.128021032
		31871	25542	27950	162040	171673	63718	442359		0.072482028	0.058088418	0.063564767	0.368516451	0.390424121	0.144909474
		31504	28101	32538	159335	156637	52873	443683		0.071647385	0.063908176	0.07399894	0.362364655	0.356228779	0.120245435
	SRSF1	42440	35927	49936	218902	232043	90614	445302	458317.6667	0.092599522	0.078388856	0.108954989	0.477620655	0.506292906	0.197710016
		45920	34240	41974	222390	231318	100927	457592		0.100192508	0.074708003	0.09158276	0.485231096	0.504711033	0.220211875
		45357	39373	49663	227937	206873	85685	472059		0.098964103	0.085907658	0.108359332	0.497334055	0.451374669	0.186955468
	Grayscale value	Lane1	Lane2	Lane3	Lane4	Lane5	Lane6	ACTB	ACTB mean	Lane1/ACTB mean	Lane2/ACTB mean	Lane3/ACTB mean	Lane4/ACTB mean	Lane5/ACTB mean	Lane6/ACTB mean
THP-1	vec	19783	42019	53119	220964	82492	121141	448420	457001.3333	0.043288717	0.091945034	0.116233805	0.483508471	0.180507145	0.265078021
		21480	42632	46951	221904	86952	130372	459822		0.047002054	0.093286387	0.102737126	0.485565358	0.190266417	0.285277088
		21124	44263	52565	223266	87159	122053	462762		0.046223063	0.096855304	0.115021555	0.488545656	0.19071937	0.267073639
	SRSF1	14146	36553	65255	248801	99905	167505	461537	475650.3333	0.029740337	0.07684847	0.137191125	0.523075461	0.210038748	0.35215998
		15555	44263	56509	251544	105680	177595	477902		0.032702597	0.093057856	0.118803667	0.528842303	0.22218002	0.373373043
		15133	38890	63558	255325	105650	167768	487512		0.03181539	0.081761743	0.133623378	0.53679142	0.222116949	0.352712907

Figure 2E.Raw data of SRSF1 overexpression efficiency in K562 and THP-1 cells

Block Ty196well
 Chemistry SYBR_GREEN
 Experiment S:\wqr\293T K562 THP1.eds
 Experiment 2022-04-26 18:26:05 PM PDT
 Instrument steponeplus
 Passive R ROX

Well	Sample Name	Target Na	Task	Reporter	Quencher	RQ	RQ Min	RQ Max	Ct	Ct Mean	Ct SD	ΔCt	ΔCt Mean	ΔCt SE	HK	HK ΔΔCt	Automatic Ct	Threshold	Automatic Baseline	Baseline SE	Efficiency	Tm1	Tm2	Tm3	Comment	OUTLIER	RRG
B3	293T vec	ACTB	UNK	ISYBR	None				17.93872452	17.64884758	0.254298657						TRUE	1.281060283	TRUE	3	11	1	86.43570709		N		
B4	293T vec	ACTB	UNK	ISYBR	None				17.54449272	17.64884758	0.254298657						TRUE	1.281060283	TRUE	3	10	1	86.43570709		N		
B5	293T vec	ACTB	UNK	ISYBR	None				17.463332932	17.64884758	0.254298657						TRUE	1.281060283	TRUE	3	10	1	86.58506775		N		
B6	293T vec	SRSF1	UNK	ISYBR	None	1	0.728302836	1.37305522	17.92930031	17.86030579	0.129419193	0.21145694	0.164739311			0	TRUE	0.315441957	TRUE	3	12	1	81.95567322		N		
B7	293T vec	SRSF1	UNK	ISYBR	None	1	0.728302836	1.37305522	17.94060898	17.86030579	0.129419193	0.21145694	0.164739311			0	TRUE	0.315441957	TRUE	3	12	1	81.80752563		N		
B8	293T vec	SRSF1	UNK	ISYBR	None	1	0.728302836	1.37305522	17.71100807	17.86030579	0.129419193	0.21145694	0.164739311			0	TRUE	0.315441957	TRUE	3	12	1	81.80752563		N		
C3	293T SRSF1	ACTB	UNK	ISYBR	None				17.6417923	17.41204071	0.199239582						TRUE	1.281060283	TRUE	3	10	1	86.43570709		N		
C4	293T SRSF1	ACTB	UNK	ISYBR	None				17.28680801	17.41204071	0.199239582						TRUE	1.281060283	TRUE	3	10	1	86.43570709		N		
C5	293T SRSF1	ACTB	UNK	ISYBR	None				17.30752373	17.41204071	0.199239582						TRUE	1.281060283	TRUE	3	10	1	86.43572998		N		
C6	293T SRSF1	SRSF1	UNK	ISYBR	None	30.82931328	23.38645935	40.64089584	12.84900093	12.67726612	0.148813084	-4.734774113	0.14357546			-4.946230888	TRUE	0.315441957	TRUE	3	7	1	81.95567322		N		
C7	293T SRSF1	SRSF1	UNK	ISYBR	None	30.82931328	23.38645935	40.64089584	12.58629894	12.67726612	0.148813084	-4.734774113	0.14357546			-4.946230888	TRUE	0.315441957	TRUE	3	7	1	81.80752563		N		
C8	293T SRSF1	SRSF1	UNK	ISYBR	None	30.82931328	23.38645935	40.64089584	12.5965023	12.67726612	0.148813084	-4.734774113	0.14357546			-4.946230888	TRUE	0.315441957	TRUE	3	7	1	81.80752563		N		
D3	K562 vec	ACTB	UNK	ISYBR	None				18.44092941	18.43311882	0.017183745						TRUE	1.281060283	TRUE	3	11	1	86.43570709		N		
D4	K562 vec	ACTB	UNK	ISYBR	None				18.44501114	18.43311882	0.017183745						TRUE	1.281060283	TRUE	3	11	1	86.43570709		N		
D5	K562 vec	ACTB	UNK	ISYBR	None				18.41341782	18.43311882	0.017183745						TRUE	1.281060283	TRUE	3	11	1	86.43572998		N		
D6	K562 vec	SRSF1	UNK	ISYBR	None	0.892318726	0.613713205	1.297401905	19.12582016	18.80894661	0.336430311	0.375825882	0.194491327			0.164368942	TRUE	0.315441957	TRUE	3	14	1	81.80633545		N		
D7	K562 vec	SRSF1	UNK	ISYBR	None	0.892318726	0.613713205	1.297401905	18.84513092	18.80894661	0.336430311	0.375825882	0.194491327			0.164368942	TRUE	0.315441957	TRUE	3	13	1	81.65818787		N		
D8	K562 vec	SRSF1	UNK	ISYBR	None	0.892318726	0.613713205	1.297401905	18.45588493	18.80894661	0.336430311	0.375825882	0.194491327			0.164368942	TRUE	0.315441957	TRUE	3	13	1	81.65818787		N		
E3	K562 SRSF1	ACTB	UNK	ISYBR	None				19.16591072	19.39246941	0.377968907						TRUE	1.281060283	TRUE	3	12	1	86.43570709		N		
E4	K562 SRSF1	ACTB	UNK	ISYBR	None				19.18269348	19.39246941	0.377968907						TRUE	1.281060283	TRUE	3	12	1	86.43570709		N		
E5	K562 SRSF1	ACTB	UNK	ISYBR	None				19.82880211	19.39246941	0.377968907						TRUE	1.281060283	TRUE	3	12	1	86.43572998		Y		
E6	K562 SRSF1	SRSF1	UNK	ISYBR	None	160.013916	95.09272766	269.2577515	12.04802608	12.2818718	0.276606619	-7.110596657	0.270414323			-7.322053432	TRUE	0.315441957	TRUE	3	7	1	81.80633545		N		
E7	K562 SRSF1	SRSF1	UNK	ISYBR	None	160.013916	95.09272766	269.2577515	12.58720493	12.2818718	0.276606619	-7.110596657	0.270414323			-7.322053432	TRUE	0.315441957	TRUE	3	7	1	81.80752563		N		
E8	K562 SRSF1	SRSF1	UNK	ISYBR	None	160.013916	95.09272766	269.2577515	12.21038532	12.2818718	0.276606619	-7.110596657	0.270414323			-7.322053432	TRUE	0.315441957	TRUE	3	7	1	81.80752563		N		
F3	THP1 vec	ACTB	UNK	ISYBR	None				16.59752655	16.83661079	0.207266584						TRUE	1.281060283	TRUE	3	9	1	86.58503723		N		
F4	THP1 vec	ACTB	UNK	ISYBR	None				16.94673347	16.83661079	0.207266584						TRUE	1.281060283	TRUE	3	9	1	86.58503723		N		
F5	THP1 vec	ACTB	UNK	ISYBR	None				16.96557045	16.83661079	0.207266584						TRUE	1.281060283	TRUE	3	9	1	86.58506775		N		
F6	THP1 vec	SRSF1	UNK	ISYBR	None	0.184915841	0.142736748	0.23955898	19.40982819	19.48312569	0.106464162	2.646516085	0.134528875			2.435059309	TRUE	0.315441957	TRUE	3	14	1	81.80633545		N		
F7	THP1 vec	SRSF1	UNK	ISYBR	None	0.184915841	0.142736748	0.23955898	19.60524559	19.48312569	0.106464162	2.646516085	0.134528875			2.435059309	TRUE	0.315441957	TRUE	3	14	1	81.65818787		N		
F8	THP1 vec	SRSF1	UNK	ISYBR	None	0.184915841	0.142736748	0.23955898	19.43430519	19.48312569	0.106464162	2.646516085	0.134528875			2.435059309	TRUE	0.315441957	TRUE	3	14	1	81.65818787		N		
G3	THP1 SRSF1	ACTB	UNK	ISYBR	None				16.35424232	16.23180962	0.240346998						TRUE	1.281060283	TRUE	3	9	1	86.58503723		N		
G4	THP1 SRSF1	ACTB	UNK	ISYBR	None				16.38628769	16.23180962	0.240346998						TRUE	1.281060283	TRUE	3	8	1	86.58503723		N		
G5	THP1 SRSF1	ACTB	UNK	ISYBR	None				15.95489788	16.23180962	0.240346998						TRUE	1.281060283	TRUE	3	8	1	86.58506775		N		
G6	THP1 SRSF1	SRSF1	UNK	ISYBR	None	31.72795486	22.70845222	44.3298912	11.37279892	11.45558453	0.18123132	-4.776225567	0.173792467			-4.987682819	TRUE	0.315441957	TRUE	3	6	1	81.95567322		N		
G7	THP1 SRSF1	SRSF1	UNK	ISYBR	None	31.72795486	22.70845222	44.3298912	11.33052826	11.45558453	0.18123132	-4.776225567	0.173792467			-4.987682819	TRUE	0.315441957	TRUE	3	6	1	81.80752563		N		
G8	THP1 SRSF1	SRSF1	UNK	ISYBR	None	31.72795486	22.70845222	44.3298912	11.66342354	11.45558453	0.18123132	-4.776225567	0.173792467			-4.987682819	TRUE	0.315441957	TRUE	3	6	1	81.9568634		N		

Analysis Singleplex
 Endogene ACTB
 RQ Min/195.0
 Reference 293T vec

Figure 2F. Raw data of cell proliferation rate after overexpression of SRSF1 in K562 cells (CCK-8 assay)

24h	GFP			control			blank			GFP-blank			control-blank			(GFP-blank) /(control-blank)			
	1	0.645	0.658	0.622	0.607	0.657	0.725	0.147	0.146	0.148									
	2	0.669	0.69	0.652	0.646	0.706	0.781	0.147	0.147	0.148									
	3	0.742	0.79	0.745	0.754	0.819	0.902	0.148	0.148	0.15									
	4	0.807	0.887	0.829	0.829	0.877	0.978	0.148	0.148	0.15									
		0.71575	0.75625	0.712	0.709	0.76475	0.8465	0.1475	0.14725	0.149	0.567833	0.608333	0.564083	0.561083	0.616833	0.698583	0.907806555	0.972554756	0.901811
		0.147916667						0.625499667											
	SRSF1			control			blank			SRSF1-blank			control-blank			(SRSF1-blank) /(control-blank)			
	1	0.654	0.632	0.645	0.607	0.657	0.725	0.147	0.146	0.148									
	2	0.686	0.661	0.688	0.646	0.706	0.781	0.147	0.147	0.148									
3	0.784	0.736	0.802	0.754	0.819	0.902	0.148	0.148	0.15										
4	0.878	0.801	0.891	0.829	0.877	0.978	0.148	0.148	0.15										
	0.7505	0.7075	0.7565	0.709	0.76475	0.8465	0.1475	0.14725	0.149	0.602583	0.559583	0.608583	0.561083	0.616833	0.698583	0.96336211	0.894617106	0.972954	
	0.147916667						0.625499667												
48h	GFP			control			blank			GFP-blank			control-blank			(GFP-blank) /(control-blank)			
	1	0.871	0.961	0.953	0.925	0.947	1.017	0.144	0.145	0.145									
	2	0.901	0.973	0.988	0.945	0.989	1.0721	0.144	0.146	0.145									
	3	0.998	1.059	1.056	1.049	1.137	1.228	0.145	0.147	0.145									
	4	1.181	1.228	1.206	1.242	1.311	1.387	0.145	0.147	0.145									
		0.98775	1.05525	1.05075	1.04025	1.096	1.176025	0.1445	0.14625	0.145	0.8425	0.91	0.9055	0.895	0.95075	1.030775	0.878664055	0.949061472	0.944368
		0.14525						0.958841667											
	SRSF1			control			blank			SRSF1-blank			control-blank			(SRSF1-blank) /(control-blank)			
	1	1.292	1.181	1.21	0.925	0.947	1.017	0.144	0.145	0.145									
	2	1.314	1.227	1.244	0.945	0.989	1.0721	0.144	0.146	0.145									
3	1.444	1.384	1.411	1.049	1.137	1.228	0.145	0.147	0.145										
4	1.668	1.608	1.648	1.242	1.311	1.387	0.145	0.147	0.145										
	1.4295	1.35	1.37825	1.04025	1.096	1.176025	0.1445	0.14625	0.145	1.28425	1.20475	1.233	0.895	0.95075	1.030775	1.339376039	1.256463526	1.285926	
	0.14525						0.958841667												
72h	GFP			control			blank			GFP-blank			control-blank			(GFP-blank) /(control-blank)			
	1	0.779	0.892	0.86	1.081	0.875	0.835	0.141	0.139	0.144									
	2	0.83	0.938	0.909	1.161	0.912	0.915	0.141	0.14	0.144									
	3	1.016	1.078	1.14	1.288	1.086	1.111	0.14	0.139	0.145									
	4	1.114	1.258	1.292	1.472	1.32	1.255	0.139	0.137	0.143									
		0.93475	1.0415	1.05025	1.2505	1.04825	1.029	0.14025	0.13875	0.144	0.79375	0.9005	0.90925	1.1095	0.90725	0.888	0.81977795	0.930028402	0.939065
								0.141						0.96825					
	SRSF1			control			blank			SRSF1-blank			control-blank			(SRSF1-blank) /(control-blank)			
	1	1.364	1.529	1.405	1.081	0.875	0.835	0.141	0.139	0.144									
	2	1.425	1.688	1.522	1.161	0.912	0.915	0.141	0.14	0.144									
3	1.639	1.961	1.85	1.288	1.086	1.111	0.14	0.139	0.145										
4	1.94	2.096	2.148	1.472	1.32	1.255	0.139	0.137	0.143										
	1.592	1.8185	1.73125	1.2505	1.04825	1.029	0.14025	0.13875	0.144	1.451	1.6775	1.59025	1.1095	0.90725	0.888	1.498579912	1.7325071	1.642396	
							0.141						0.96825						

Figure 2J-K.Raw data of WB band analysis of apoptosis-related protein after overexpression of SRSF1 in K562 cells

	vector	β -Tublin	Caspase3/ β -Tublin	SRSF1	β -Tublin	Caspase3/ β -Tublin
1	263298	425127	0.619339633	281487	518951	0.542415373
2	230410	393878	0.58497809	250248	472336	0.529809288
3	255222	397485	0.642092154	282614	476460	0.593153675
	vector	β -Tublin	Caspase8/ β -Tublin	SRSF1	β -Tublin	Caspase8/ β -Tublin
1	223085	459258	0.485750929	180672	379195	0.476461979
2	216278	429714	0.503306851	174710	357032	0.489339891
3	218310	431441	0.506001979	175108	361365	0.484573769
	vector	β -Tublin	Caspase9/ β -Tublin	SRSF1	β -Tublin	Caspase9/ β -Tublin
1	553891	425127	1.302883609	555933	518951	1.07126299
2	562615	393878	1.428399149	565969	472336	1.198233884
3	557163	397485	1.40172082	570695	476460	1.197781556

Figure 2J-K.Raw data of WB band analysis of apoptosis-related protein after overexpression of SRSF1 in THP-1 cells

	vector	β -Tublin	Caspase3/ β -Tublin	SRSF1	β -Tublin	Caspase3/ β -Tublin
1	293608	389662	0.753494054	235491	434253	0.542289863
2	287086	373958	0.767695838	231492	392165	0.590292351
3	290201	385038	0.753694441	238688	425785	0.560583393

	vector	β -Tublin	Caspase8/ β -Tublin	SRSF1	β -Tublin	Caspase8/ β -Tublin
1	295691	389662	0.758839712	196258	434253	0.451943913
2	304314	373958	0.813765182	200071	392165	0.510170464
3	288897	385038	0.750307762	192749	425785	0.452690912

	vector	β -Tublin	Caspase9/ β -Tublin	SRSF1	β -Tublin	Caspase9/ β -Tublin
1	536090	389662	1.375782088	483376	434253	1.113120692
2	518662	373958	1.386952545	474642	392165	1.210311986
3	538966	385038	1.399773529	497295	425785	1.167948613

Figure 2L.Drug susceptibility test data (CCK-8 assay)

group	Drug concentration/μM		experimental group/As			control/Ac			blank/Ab		0.274	(As-Ab)			(Ac-Ab)	Inhibition rate=[(Ac-As) / (Ac-Ab)] × 100%		
vector	1	20	0.661	0.737	1.387	1.299	1.536	1.622	0.294	0.311	0.101							
			0.666	0.735	1.376	1.302	1.567	1.640	0.295	0.313	0.100							
			0.669	0.745	1.396	1.324	1.600	1.675	0.295	0.313	0.099							
			0.665	0.739	1.386	1.308	1.568	1.646	0.295	0.312	0.304							
SRSF1						1.507			0.304			0.391	0.465	1.112	1.213	0.323	0.383	0.917
			0.574	0.627	0.699	1.043	0.992	1.176	0.261	0.273	0.317							
			0.581	0.648	0.667	1.059	0.984	1.162	0.262	0.273	0.318							
			0.585	0.649	0.640	1.024	0.953	1.125	0.262	0.273	0.318							
			0.907	0.863	0.864	1.131	1.102	1.034	0.284	0.294	0.291							
			0.662	0.697	0.718	1.064	1.008	1.124	0.267	0.278	0.311							
						1.065			0.286			0.388	0.423	0.444	0.771	0.503	0.548	0.575
vector	2	5	0.833	0.751	1.055	1.822	1.766	2.204	0.255	0.262	0.301							
			0.843	0.795	0.953	1.644	1.532	1.957	0.255	0.262	0.303							
			0.855	0.792	0.897	1.551	1.428	1.846	0.255	0.262	0.302							
			0.844	0.779	0.968	1.672	1.575	2.002	0.255	0.262	0.302							
						1.750			0.273			0.570	0.505	0.694	1.456	0.391	0.347	0.477
			0.662	0.779	0.858	1.135	1.204	1.075	0.252	0.256	0.286							
			0.673	0.779	0.777	1.041	1.086	0.995	0.251	0.257	0.287							
			0.676	0.759	0.740	0.990	1.032	0.954	0.251	0.257	0.287							
			0.670	0.772	0.792	1.055	1.107	1.008	0.251	0.257	0.287							
						1.057			0.265			0.396	0.498	0.518	0.763	0.519	0.653	0.678
vector	3	1.25	0.725	0.789	0.849	1.537	1.795	1.641	0.254	0.250	0.280							
			0.741	0.785	0.776	1.340	1.573	1.439	0.254	0.250	0.280							
			0.746	0.767	0.738	1.266	1.490	1.361	0.254	0.250	0.280							
			0.737	0.780	0.788	1.381	1.619	1.480	0.254	0.250	0.280							
						1.494			0.261			0.463	0.506	0.514	1.200	0.386	0.422	0.428
			0.678	0.735	0.749	1.109	1.020	1.097	0.246	0.267	0.273							
			0.689	0.701	0.694	1.014	0.929	0.992	0.246	0.266	0.273							
			0.692	0.689	0.662	0.970	0.891	0.948	0.245	0.267	0.273							
			0.686	0.708	0.702	1.031	0.947	1.012	0.246	0.267	0.273							
						0.997			0.262			0.412	0.434	0.428	0.703	0.587	0.618	0.608
vector	4	0.3125	0.787	0.867	0.837	1.594	1.564	1.513	0.262	0.260	0.289							
			0.803	0.836	0.782	1.463	1.436	1.398	0.262	0.260	0.290							
			0.804	0.823	0.763	1.417	1.390	1.355	0.262	0.259	0.290							
			0.798	0.842	0.794	1.491	1.463	1.422	0.262	0.260	0.290							
						1.457			0.270			0.524	0.568	0.520	1.163	0.451	0.488	0.447
			0.656	0.615	0.608	0.927	0.898	0.894	0.278	0.308	0.350							
			0.662	0.626	0.624	0.965	0.942	0.932	0.279	0.308	0.349							
			0.658	0.624	0.624	0.961	0.946	0.932	0.278	0.307	0.348							
			0.659	0.622	0.619	0.951	0.929	0.919	0.278	0.308	0.349							
						0.933			0.312			0.385	0.348	0.345	0.639	0.602	0.544	0.539
vector	5	0.078125	0.884	0.963	0.860	1.145	0.780	0.873	0.287	0.305	0.333							
			0.897	0.979	0.870	1.147	0.776	0.873	0.289	0.308	0.337							
			0.917	0.995	0.886	1.172	0.775	0.872	0.289	0.308	0.337							
			0.899	0.979	0.872	1.155	0.777	0.873	0.288	0.307	0.336							
						0.935			0.310			0.625	0.705	0.598	0.641	0.976	1.100	0.933
			0.766	0.707	0.749	1.205	0.904	0.857	0.255	0.264	0.307							
			0.761	0.716	0.765	1.222	0.970	0.870	0.255	0.264	0.308							
			0.739	0.694	0.753	1.185	0.932	0.870	0.255	0.264	0.307							
SRSF1			0.755	0.706	0.756	1.204	0.935	0.866	0.275	0.286	0.307							
						1.002			0.289			0.481	0.432	0.482	0.708	0.680	0.610	0.680

vector	6	0.01953125	1.183	1.189	1.028	1.422	1.203	1.110	0.250	0.255	0.308							
			1.044	1.055	0.932	1.309	1.237	1.126	0.250	1.256	0.309							
			0.990	0.999	0.895	1.268	1.206	1.134	0.250	0.256	0.309							
			1.072	1.081	0.952	1.333	1.215	1.123	0.250	0.279	0.309							
												0.798	0.807	0.678	0.930	0.858	0.868	0.729
SRSF1			0.892	0.857	0.101	0.963	0.908	0.768	0.239	0.249	0.286							
			0.810	0.783	0.104	0.919	0.922	0.779	0.238	0.250	0.287							
			0.774	0.748	0.107	0.898	0.916	0.773	0.238	0.249	0.286							
			0.825	0.796	0.104	0.927	0.915	0.773	0.238	0.249	0.286							
												0.551	0.522	-0.170	0.578	0.954	0.903	-0.294
vector	7	0.004882813	1.359	1.179	1.150	1.391	1.003	1.031	0.232	0.237	0.273							
			1.219	1.050	1.033	1.277	0.984	1.047	0.233	0.237	0.275							
			1.161	0.991	0.988	1.249	0.975	1.050	0.232	0.237	0.274							
			1.246	1.073	1.057	1.306	0.987	1.043	0.232	0.237	0.274							
												0.972	0.799	0.783	0.818	1.189	0.977	0.957
SRSF1			1.097	0.997	0.742	0.823	0.866	0.753	0.223	0.241	0.265							
			0.902	0.697	0.768	0.816	0.724	0.724	0.224	0.242	0.265							
			0.948	0.866	0.684	0.759	0.810	0.713	0.224	0.241	0.265							
			0.982	0.853	0.731	0.799	0.800	0.730	0.224	0.241	0.265							
												0.708	0.579	0.457	0.482	1.470	1.202	0.949
vector	8	0.001220703	1.023	0.931	0.770	0.993	0.917	0.725	0.235	0.249	0.292							
			0.966	0.872	0.738	0.954	0.888	0.726	0.236	0.249	0.293							
			0.939	0.855	0.726	0.931	0.889	0.723	0.236	0.249	0.293							
			0.976	0.886	0.748	0.959	0.898	0.725	0.236	0.249	0.293							
												0.702	0.612	0.474	0.567	1.238	1.079	0.836
SRSF1			0.830	0.792	0.846	0.744	0.645	0.874	0.267	0.266	0.361							
			0.860	0.825	0.883	0.748	0.648	0.877	0.267	0.267	0.361							
			0.864	0.830	0.886	0.738	0.645	0.872	0.267	0.266	0.359							
			0.851	0.816	0.872	0.743	0.646	0.874	0.267	0.266	0.267							
												0.577	0.542	0.598	0.461	1.252	1.175	1.296

Figure 3F-G.Raw data for WB band analysis of apoptosis-related protein after knockdown of SRSF1 in K562 cells

	Scrambled	β -Tublin	Caspase3/ β -Tublin	sh-SRSF1	β -Tublin	Caspase3/ β -Tublin
1	287396	513341	0.559853976	329736	340215	0.969198889
2	254833	491441	0.518542409	290033	342146	0.847687829
3	271591	486370	0.558404096	307358	317703	0.967438142

	Scrambled	β -Tublin	Caspase8/ β -Tublin	sh-SRSF1	β -Tublin	Caspase8/ β -Tublin
1	264158	550952	0.479457376	363807	362826	1.002703775
2	260341	526036	0.494910995	358239	326803	1.096192507
3	255191	522814	0.488110494	347400	323660	1.073348576

	Scrambled	β -Tublin	Caspase9/ β -Tublin	sh-SRSF1	β -Tublin	Caspase9/ β -Tublin
1	259712	513341	0.505924912	324011	340215	0.952371295
2	256752	491441	0.522447252	310908	342146	0.908699795
3	244492	486370	0.502687255	300570	317703	0.946072275

Figure 3F-G.Raw data for WB band analysis of apoptosis-related protein after knockdown of SRSF1 in THP-1 cells

	Scrambled	β -Tublin	Caspase3/ β -Tublin	sh-SRSF1	β -Tublin	Caspase3/ β -Tublin
1	156874	338945	0.462830253	219723	297335	0.738974557
2	167687	319660	0.52457924	229879	274529	0.837357802
3	161713	317076	0.510013372	225870	278082	0.812242432

	Scrambled	β -Tublin	Caspase8/ β -Tublin	sh-SRSF1	β -Tublin	Caspase8/ β -Tublin
1	258560	383096	0.674922213	312170	461983	0.675717505
2	257275	381731	0.673969366	308469	467540	0.659770287
3	264857	378679	0.699423522	318232	458299	0.694376379

	Scrambled	β -Tublin	Caspase9/ β -Tublin	sh-SRSF1	β -Tublin	Caspase9/ β -Tublin
1	568304	338945	1.676685008	625655	297335	2.104209057
2	592110	319660	1.852311831	663702	274529	2.417602512
3	586057	317076	1.848317123	657103	278082	2.362982861